

*Excellence in Electronics***TYPE****CK6286**

The CK6286 is a filament type triode of subminiature construction designed for use as an amplifier or oscillator. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.

**MECHANICAL DATA****ENVELOPE:** T-2X3 Glass

**BASE:** None (0.016" tinned flexible leads.  
Length: 1.5" min. Spacing: 0.048" center-to-center)

**TERMINAL CONNECTIONS:** (Red Dot is adjacent to Lead 1)

Lead 1 Plate	Lead 3 Grid
Lead 2 Filament, negative	Lead 4 Filament, positive

**MOUNTING POSITION:** Any**ELECTRICAL DATA****DIRECT INTERELECTRODE CAPACITANCES:** (pfs.) ▲

Grid to Plate	1.6
Grid to Filament	1.3
Plate to Filament	2.1

**RATINGS - ABSOLUTE MAXIMUM VALUES:**

Filament Voltage (dc)	1.25 ± 20% volts
Plate Voltage	100 volts
Plate Current	7.0 ma.
Plate Dissipation	0.45 watt

**CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:**

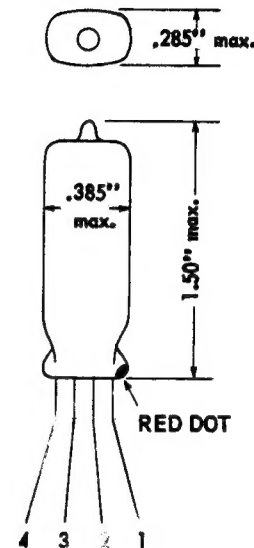
Filament Voltage (dc)	1.25 volts
Filament Current	0.125 amp.
Plate Voltage	67.5 volts
Grid Voltage	-2.0 volts
Amplification Factor	11.5
Transconductance	2100 umhos
Plate Current	6.0 ma.
Grid Voltage (approx.) for Ib = 50 ua.	-8.5 volts

**TYPICAL OSCILLATOR CHARACTERISTICS:**

Filament Voltage	1.25 volts
Plate Voltage	67.5 volts
Plate Current	5.25 ma.
Grid Current	325 ua.
Plate Supply Resistance	1500 ohms
Grid Resistance	18000 ohms

These data identify a particular developmental tube design and the type designation or the descriptive data may be subject to change or abandonment.

▲ No external shield.

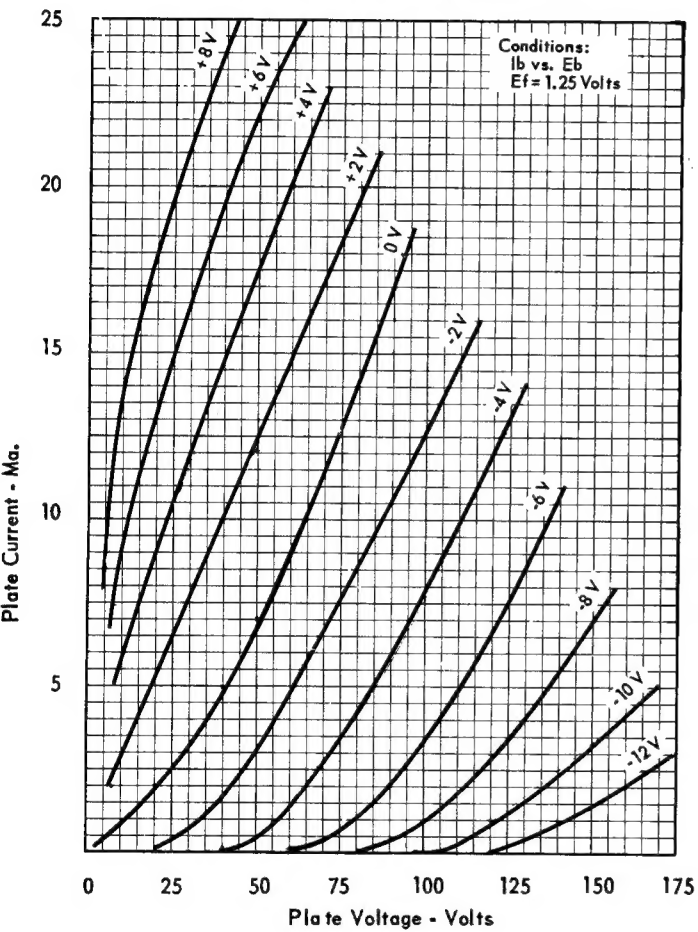


Tentative Data

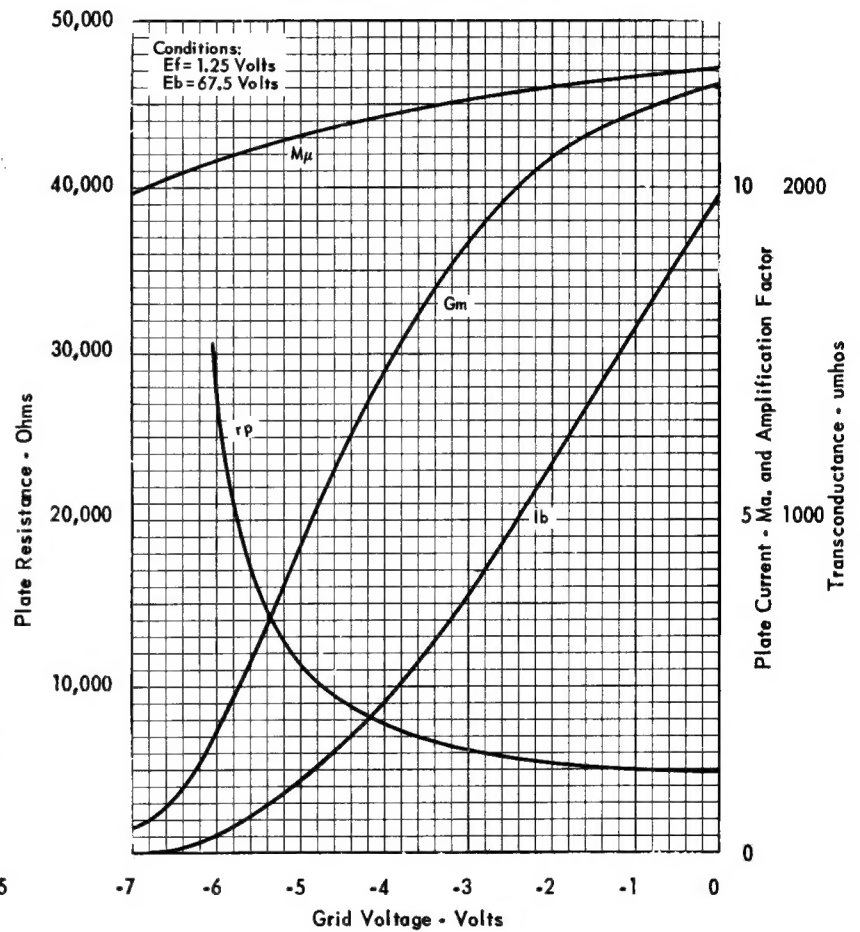


## SUBMINIATURE TRIODE

AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS



RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS